

# My Maths Targets



I can read Roman numerals to 1000 (M) and recognise years written in Roman numerals.

I can solve number problems and practical problems that involve all of the below.

I can round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000

I can use negative numbers in context; count forwards and backwards with positive and negative whole numbers through zero.

I can count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000.

I know what each digit represents in numbers to 1 000 000.

I can read, write, order and compare numbers to at least 1 000 000.

Number and Place Value

I can use addition and subtraction to solve multi-step problems.

I can use rounding to check answers to calculations.

I can subtract mentally using increasingly large numbers.

I can add mentally using increasingly large numbers.

I can subtract and whole numbers with more than 4 digits.

I can add and whole numbers with more than 4 digits.

Addition and Subtraction

I can solve problems involving  $\times$  and  $\div$  including scaling by simple fractions and problems involving simple rates.

I can solve problems involving  $\times$  and  $\div$  including using factors and multiples, squares and cubes.

I can recognise and use square numbers and cube numbers, and the notation for squared ( $^2$ ) and cubed ( $^3$ )

I can  $\times$  and  $\div$  whole numbers and those involving decimals by 10, 100 and 1000.

I can multiply and divide numbers mentally.

I can divide numbers up to 4 digits by a one-digit number.

I can multiply numbers up to 4 digits by a one- or two-digit number

I can establish whether a number up to 100 is prime and recall prime numbers up to 19.

I know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers

I can identify multiples and factors, including finding all factor pairs.

Multiplication and Division

I can use all four operations to solve problems involving measure using decimal notation, including scaling.

I can solve problems involving converting between units of time

I can estimate volume and capacity.

I can estimate the area of irregular shapes.

I can calculate and compare the area of rectangles (including squares)

I can measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.

I understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints

I can convert between different units of metric measure.

Measurements

I can write % as a fraction.

I can recognise the % symbol and understand what it means.

I can solve problems involving number up to 3d.p

I can read, write, order and compare numbers with up to 3 decimal places.

I can round decimals with 2 decimal places to the nearest whole number and to one decimal place.

I can recognise and use 1000ths and relate them to 10ths, 100ths and decimal equivalents.

I can read, write decimal numbers as fractions.

I can multiply proper fractions and mixed numbers by whole numbers.

I can  $+$  and  $-$  fractions with the same denominator and denominators that are multiples of the same number.

I can recognise mixed numbers and improper fractions and convert from one form to the other

I can identify, name and write equivalent fractions of a given fraction.

I can compare and order fractions whose denominators are all multiples of the same number

Fractions and Decimals

I can identify, describe and represent the position of a shape following a reflection or translation.

I can distinguish between regular and irregular polygons.

I can use the properties of rectangles to deduce related facts and find missing lengths and angles

I can identify other multiples of  $90^\circ$

I can identify angles at a point on a straight line and  $\frac{1}{2}$  a turn

I can identify angles at a point and one whole turn.

I can draw given angles, and measure them in degrees ( $^\circ$ ).

I know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles

I can identify 3-D shapes, including cubes and other cuboids, from 2-D representations.

Geometry

I can complete, read and interpret information in tables, including timetables.

I can solve 'difference' problems using information presented in a line graph.

I can solve 'sum' problems using information presented in a line graph.

I can solve 'comparison' problems using information presented in a line graph.

Statistics